

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P218615

Luminaire Tested: **4SNLED-LD5-67HL-RW-UNV-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35747)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNLED-LD5-67HL-RW-UNV-L830-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 4FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6304.0 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 0.85 / 0.95
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.17')
CIE Type: Direct

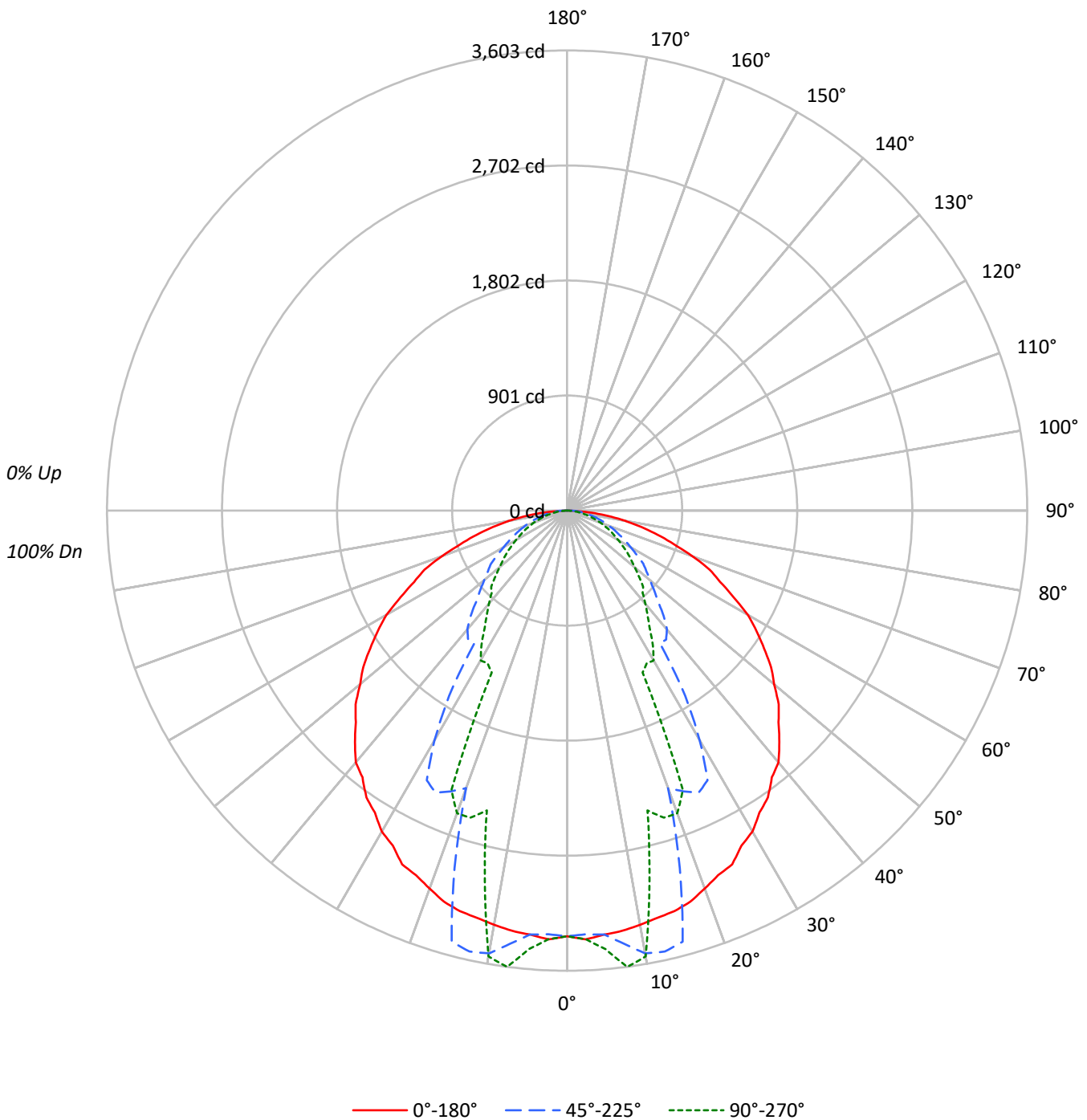
Input Watts (W): 61.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P218615

CATALOG NUMBER: 4SNLED-LD5-67HL-RW-UNV-L830-CD1-U

Luminous Intensity Polar Plot





TEST NUMBER: P218615

CATALOG NUMBER: 4SNLED-LD5-67HL-RW-UNV-L830-CD1-U

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73
3	93	83	75	69	90	81	74	69	78	72	67	76	71	66	73	69	65	63
4	86	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	51	49
6	74	61	53	47	72	60	52	47	59	52	46	57	51	46	55	50	46	44
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39
8	64	52	44	38	63	51	43	38	50	43	38	49	42	38	47	42	37	36
9	61	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	33
10	57	45	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	53702	53702	53702
5°	53711	50628	51269
10°	53477	50986	49307
15°	53556	48678	31976
20°	53180	31255	31701
25°	53300	32252	16957
30°	52720	27104	15977
35°	52376	16468	13038
40°	52299	15797	10913
45°	51192	13199	9592
50°	50521	11288	7916
55°	49904	9961	6675
60°	49099	8142	5469
65°	46288	6725	4482
70°	44019	5444	3511
75°	39607	4225	2501
80°	34281	3027	1615
85°	23905	1922	699



TEST NUMBER: P218615

CATALOG NUMBER: 4SNLED-LD5-67HL-RW-UNV-L830-CD1-U

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.3	5.2
10°-20°	871.3	13.8
20°-30°	1127.1	17.9
30°-40°	1070.4	17.0
40°-50°	1030.3	16.3
50°-60°	818.6	13.0
60°-70°	595.7	9.4
70°-80°	346.6	5.5
80°-90°	118.8	1.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2323.7	36.9
0°-40°	3394.0	53.8
0°-60°	5242.9	83.2
0°-90°	6304.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6304.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3333	3333	3333	3333	3333	
5°	3333	3325	3332	3410	3447	317
15°	3246	3399	3494	2728	2430	915
25°	3056	3242	2437	1968	1398	1400
35°	2740	2110	1269	1179	1127	1710
45°	2340	1990	1006	852	842	1813
55°	1882	1133	728	592	577	1685
65°	1323	701	455	383	370	1321
75°	735	370	254	208	190	780
85°	191	154	98	64	47	223
90°	0	0	0	0	0	



TEST NUMBER: P218615

CATALOG NUMBER: 4SNLED-LD5-67HL-RW-UNV-L830-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3332.7	3332.7	3332.7	3332.7	3332.7
2.5°	3360.5	3334.6	3320.2	3322.1	3359.6
5°	3332.7	3325.0	3331.7	3410.4	3446.9
7.5°	3318.3	3302.0	3421.0	3556.3	3603.4
10°	3292.4	3337.5	3520.8	3576.5	3544.8
12.5°	3265.5	3364.4	3536.2	3174.3	2975.6
15°	3246.3	3398.9	3493.9	2728.0	2430.4
17.5°	3210.8	3421.0	2935.3	2422.7	2521.6
20°	3148.4	3410.4	2311.4	2526.4	2521.6
22.5°	3090.8	3350.9	2379.5	2477.4	2367.0
25°	3056.2	3241.5	2437.1	1967.7	1398.5
27.5°	2956.4	2973.7	2380.5	1365.9	1349.6
30°	2901.7	2712.6	2076.2	1340.9	1354.4
32.5°	2803.8	2412.2	1720.1	1292.0	1248.8
35°	2740.4	2109.8	1269.0	1178.7	1126.9
37.5°	2632.9	2125.2	1272.8	1080.8	1031.9
40°	2573.4	2138.6	1215.2	986.7	954.1
42.5°	2459.2	2087.7	1119.2	910.0	874.4
45°	2340.2	1989.8	1005.9	852.4	841.8
47.5°	2246.1	1714.3	922.4	797.7	759.3
50°	2115.6	1363.0	845.6	724.7	692.1
52.5°	2012.9	1160.5	783.3	661.4	630.6
55°	1882.3	1132.6	727.6	592.2	576.9
57.5°	1759.4	1036.7	645.0	537.5	513.5
60°	1633.7	917.6	575.0	484.7	463.6
62.5°	1469.6	793.8	513.5	431.0	410.8
65°	1322.7	700.7	455.0	383.0	369.6
67.5°	1208.5	628.7	402.2	336.0	317.7
70°	1041.5	548.1	349.4	290.8	279.3
72.5°	876.4	447.3	300.4	250.5	229.4
75°	735.3	369.6	254.4	208.3	190.1
77.5°	597.0	309.1	211.2	170.9	151.7
80°	456.9	251.5	168.9	133.4	116.1
82.5°	323.5	200.6	132.5	96.9	81.6
85°	191.0	154.5	97.9	64.3	47.0
87.5°	75.8	116.1	64.3	31.7	16.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)